

[54] **ADJUSTMENT DEVICE FOR PLATFORM MOUNTED HORN ANTENNA**

[75] Inventors: **Wallace Evans**, Santa Clara; **Gary M. Redman**, Mountain View, both of Calif.

[73] Assignee: **GTE Sprint Communications Corp.**, Burlingame, Calif.

[21] Appl. No.: **763,495**

[22] Filed: **Aug. 8, 1985**

[51] Int. Cl.⁴ **H01Q 3/02**

[52] U.S. Cl. **343/882; 248/122**

[58] Field of Search 343/882, 765, 880, 766, 343/763, 762, 878, 786; 350/634, 636, 639; 248/122, 298, 296, 349

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,226,981	12/1940	Scott	248/122
2,311,668	2/1943	Kennedy	248/122
2,964,281	12/1960	Phillips et al.	248/298
3,144,232	8/1964	Smootz	248/122
3,510,873	5/1970	Trevisan	343/786

3,550,142	12/1970	Dawson	343/786
3,591,115	7/1971	Hibbard	248/122

Primary Examiner—Charles Frankfort
Assistant Examiner—Thomas B. Will
Attorney, Agent, or Firm—Julian Caplan

[57] **ABSTRACT**

A pair of bolts are welded to axially spaced apart points on a base plate in an upright position to provide fixed reference points for supporting a horn antenna. Axially aligned trunnion pipes on the antenna are rotatably attached to an associated tubular enclosure at points corresponding to the locations of the bolts. Each of the bolts extends through an opening in one side of an associated enclosure, with the one side being sandwiched between a pair of nuts. Elevation adjustment of the antenna is accomplished by rotating one of the nuts for raising or lowering one of the enclosures and the associated side of the antenna. The elevation of the antenna is maintained by threading the associated other nut of the pair thereof against the side of the enclosure.

16 Claims, 31 Drawing Figures

